## ABSTRACT

An interconnect assembly includes a number of interconnect 1 stages combined in a carrier structure. Each interconnect stage includes at least two contact sets having an upwards pointing cantilever contact and a downwards pointing cantilever contact. The cantilever contacts are attached to the carrier structure and are arranged around openings 6 7 in the carrier structure such that the downward pointing cantilevers may reach through the carrier structure. 8 contact set defines an independent conductive path between .9 a single pair of opposing chip and test apparatus contacts 10 such that multiple conductive paths are available for each 11 interconnect stage for increased transmission reliability 12 and reduced resistance. The cantilever contacts have a 13 14 meandering contour and are either combined in symmetrical 15 pairs at their respective tips or are free pivoting. 16 meandering contour provides a maximum deflectable 17 cantilever length within an available footprint defined by 18 the pitch of the tested chip.

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